

ABSTRACT OF THE DISCLOSURE

A sensor system includes a plurality of sensor bodies arranged aligned and adjacent to each other, each of said sensor bodies being connected to an electric cord including at least a signal line via a connector. Each connector has a power feed terminal, and a
5 detachable fitting for electrically connecting the power feed terminals of the connectors is provided between the connectors. The power supplied to the connector of any of the sensor body through the power feed line in the electric cord is distributed to the power feed terminal of another sensor body through a row of connectors. By this configuration, the number of power feed lines for the overall system can be
10 significantly reduced, and common bodies not distinguished for the main and sub bodies can be used as the sensor bodies, whereby the cost can be reduced and inventory management can be facilitated. Further, when any of the sensor bodies fails, it is possible to simply exchange the failed sensor body only, while maintaining the use of the electric cord that has been used.